PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: MATTHEW E. HINSCH TOWNSEND AND TOWNSEND AND CREW LLP TWO EMBARCADERO CENTER	PCT		
8TH FLOOR SAN FRANCISCO, CA 94111	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION		
	(PCT Rule 44.1)		
	Date of Mailing (day/month/year) 5-29-02		
Applicant's or agent's file reference 19801-2-4PC	FOR FURTHER ACTION See paragraphs 1 and 4 below		
International application No. PCT/US02/05804 J	International filing date (day/month/year) 25 FEBRUARY 2002		
Applicant CELLGATE, INC. J			
Filing of amendments and statement under Artic The applicant is entitled, if he so wishes, to amend	al search report has been established and is transmitted herewith. le 19: 7-29-02 the claims of the international application (see Rule 46): nents is normally two months from the date of transmittal of the		
international search report. Where? Directly to the International Bureau of	WIPO, 34 chemin des Colombettes		
1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet.			
2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.			
With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that: the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.			
no decision has been made yet on the protes	it; the applicant will be notified as soon as a decision is made.		
applicant wishes to avoid or postpone publication, a notice of must reach the International Bureau as provided in rules 90 preparations for international publication. Ch 2 Demand 9-23-91 Within 19 months from the priority date, but only in respect examination must be filed if the applicant wishes to postpon date (in some Offices even later); otherwise the applicant macks for entry into the national phase before those designated of the properties of the designated of the publication of 30 respect of other designated offices, the time limit of 30 respects to the properties of the properties of the publication of the properties of the publication of the properties of the	nonths (or later) will apply even if no demand is filed within 19 months. the applicable time limits, Office by Office, see the PCT Applicants's		
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks	Authorized officer		
Box POT Washington, D.C. 20231	JEFFREY E. RUSSEL Roberts Gor Telephone No. (703) 308-0196		
Facsimile No. (703) 305-3230	Telephone No. (703) 308-0196		

Form PCT/ISA/220 (April 2002) *

(See notes on accompanying sheet)

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: MATTHEW E. HINSCH TOWNSEND AND TOWNSEND AND CREW LLP TWO EMBARCADERO CENTER	PCT
TWO EMBARCADERO CENTER 8TH FLOOR SAN FRANCISCO, CA 94111	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION
	(PCT Rule 44.1)
	Date of Mailing (day/month/year) 29 MAY 2002
Applicant's or agent's file reference	FOR FURTHER ACTION See paragraphs 1 and 4 below
19801-2-4PC	International filing date
International application No. PCT/US02/05804	(day/month/year) 25 FEBRUARY 2002
Applicant CELLGATE, INC.	
1. X The applicant is hereby notified that the internation	al search report has been established and is transmitted herewith.
Filing of amendments and statement under Artic	cle 19: I the claims of the international application (see Rule 46):
When? The time limit for filing such amendr international search report.	nents is normally two months from the date of transmittal of the
Where? Directly to the International Bureau of 1211 Geneva 20, Switzerland, Facsim	WIPO, 34 chemin des Colombettes nile No.: (41-22) 740.14.35
For more detailed instructions, see the notes o	n the accompanying sheet.
Article 17(2)(a) to that effect is transmitted herew	nal search report will be established and that the declaration under ith.
the protest together with the decision thereof	an) additional fee(s) under Rule 40.2, the applicant is notified that: In has been transmitted to the International Bureau together with the both the protest and the decision thereon to the designated Offices.
no decision has been made yet on the prote	est; the applicant will be notified as soon as a decision is made.
applicant wishes to avoid or postpone publication, a likely	ational application will be published by the International Bureau. If the of withdrawal of the international application, or of the priority claim, 0 bis. 1 and 90bis. 3, respectively, before the completion of the technical
Within 19 months from the priority date, but only in respectively examination must be filed if the applicant wishes to postput date (in some Offices even later); otherwise the applicant acts for entry into the national phase before those designs	pect of some designated Offices, a demand for international preliminary one the entry into the national phase until 30 months from the priority must, within 20 months from the priority date, perform the presecribed ated Offices.
In respect of other designated Offices, the time limit of 30	months (or later) will apply even if no demand is filed within 19 months.
See the Annex to Form PCT/IB/301 and, for details about Guide, Volume II, National Chapters and the WIPO Inte	at the applicable time limits, Office by Office, see the PCT Applicanus's
	Authorized officer
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks	
Box Por Washington, D.C. 20231	JEFFREY E. RUSSEL Roberts (for
Facsimile No. (703) 305-3230	Telephone No. (703) 308-0196

Form PCT/ISA/220 (April 2002) *

(See notes on accompanying sheet)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 19801-2-4PC	FOR FURTHER ACTION	see Notification of (Form PCT/ISA/22	Transmittal of International Search Report 20) as well as, where applicable, item 5 below.
International application No.	International filing dat	e (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US02/05804	25 FEBRUARY 2009		25 FEBRUARY 2001
Applicant CELLGATE, INC.			
This international search report has been according to Article 18. A copy is bein This international search report consist	g transmitted to the Inter	tional Searching Aut national Bureau.	hority and is transmitted to the applicant
X It is also accompanied by a c		s. Iment cited in this r	report.
1. Basis of the report			
_	he international search was	carried out on the b	asis of the international application in the
language in which it was filed,	unless otherwise indicated	under this item.	
the international search was Authority (Rule 25.1(b)).	carried out on the basis of	f a translation of the	e international application furnished to th
	and/or amino acid sequenc	e disclosed in the in	ternational application, the international sear-
was carried out on the basis of	the sequence listing:		of the state of th
contained in the internation	al application in written f	orm.	
filed together with the inter	national application in co	mputer readable for	m.
furnished subsequently to thi	is Authority in written for	m.	
furnished subsequently to thi			
the statement that the subse	quently furnished written	sequence listing do	es not go beyond the disclosure in
the statement that the informat	tion recorded in computer r	eadable form is ident	ical to the written sequence listing has b ee
2. Certain claims were found	unsearchable (See Box I).		
5. Unity of invention is lackin	•		
4. With regard to the title,	•		
X the text is approved as subm	nitted by the applicant.		
the text has been established		d as follows:	
5. With regard to the abstract,			
the text is approved as subm	nitted by the applicant.		
the text has been established Box III. The applicant may, v search report, submit comme	, according to Rule 38.2(b), by this Authority date of mailing of th 6 - 29 - 02	as it appears in nis international
6. The figure of the drawings to be pu	blished with the abstract	is Figure No. 4	_
as suggested by the applican	t.		The second of
because the applicant failed t	to suggest a figure.		None of the figures.
X because this figure better cha	aracterizes the invention.		
Form PCT/ISA/o.o./5			

Form PCT/ISA/210 (first sheet) (July 1998)*

International application No. PCT/US02/05804

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

The technical features mentioned in the abstract do not include a reference sign between parentheses (PCT Rule 8.1(d)).

NEW ABSTRACT

This invention provides compositions and methods for enhancing delivery of drugs and other agents across epithelial tissues, including into and across ocular tissues and the like. The compositions and methods are also useful for delivery across endothelial tissues including the blood brain barrier. The compositions and methods employ a delivery enhancing transporter that has sufficient guanidino or amidino sidechain moieties to enhance delivery of a compound conjugated to the reagent (see Figure 4) across one or more layers of the tissue, compared to the non-conjugated compound. The delivery-enhancing polymers include, for example, poly-arginine molecules that are preferably between about 6 and 25 residues in length.

Form PCT/ISA/210 (continuation of first sheet(2)) (July 1998)*

International application No. PCT/US02/05804

A. CLASS	SIFICATION OF SUBJECT MATTER A61K 51/155, 51/522, 58/03, 58/04, 58/13, 58/16		
TIC OT	514/2, 11, 12, 15, 14, 15, 16, 17, 262, 631, 634 o International Patent Classification (IPC) or to both na	ational classification and IPC	
	DS SEARCHED		
	ocumentation searched (classification system followed b	y classification symbols)	
	514/2, 11, 12, 15, 14, 15, 16, 17, 262, 651, 654		
Documentat searched	ion searched other than minimum documentation to th	ne extent that such documents are in	cluded in the fields
	lata base consulted during the international search (nam	ne of data base and, where practicable	, search terms used)
Please See	Extra Sheet.		
C. DOC	UMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appr	opriate, of the relevant passages	Relevant to claim No.
A	US 5,716,614 A (KATZ ET AL) 10 Feb entire document.	oruary 1998 (10/02/98), see	1-36
A	US 6,013,628 A (SKUBITZ ET AL) 1 see entire document.	1 January 2000 (11/01/00),	1-36
x	US 6,089,234 A (R. BRETTON) 18 July document, especially column 5, lines claims 1, 7, and 8.	2000 (18/07/00), see entire 28-30, column 6, line 33,	1-5, 7-9, 20, 21, 23-28, 31, and 34
A, P	WO 01/13957 A2 (CELLGATE, INC.) see entire document.	01 March 2001 (01/03/01),	1-36
X Fur	rther documents are listed in the continuation of Box C	C. See patent family annex.	
•	Special categories of cited documents:	The later document published after the is	bbitcation age civer to arrest and
1 '	document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; considered novel or cannot be consi	the claimed invention cannot be
1	earlier document published on or after the international filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other	when the document is taken alone	the claimed invention cannot be
	special reason (as specified) document referring to an oral disclosure, use, exhibition or other	considered to involve an inventive as with one or more other such do obvious to a person skilled in the second secon	cuments, such combination being
•P•	document published prior to the international filing date but later than the priority date claimed	"&" document member of the same pat	ent family
İ	he actual completion of the international search Y 2002	Date of mailing of the international 29 NAY	
Name and Commis Box PC	d mailing address of the ISA/US sioner of Patents and Trademarks T	Authorized officer Felicial JEFFREY E. RUSSEL	D. Roberto G
Washing	gton, D.C. 20231	Telephone No. (7 5) 3 8-0196	

, }

International application No.
PCT/US02/05804

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	ROTHBARD et al. Conjugation of arginine oligomers to cyclosporin A facilitates topical delivery and inhibition of inflammation. Nature Medicine. November 2000, Volume 6, Number 11, pages 1253-1257.	1-36

International application No. PCT/US02/05804

B. FIELDS SEARCHED Electronic data bases consulted (Name of data base and where practicable terms used):	
EAST, DIALOG search terms: eye, ocular, cornea, corneal, retina, retinal, optic, guanidino, amidino, conjugate, polyarginine, linker, acyclovir, cyclosporin	
	!

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty and of the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

The claims only.

The description and the drawings may only be amended during international preliminary examination under Chapter II.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the international Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A seplecement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confounded with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate; in connection with each claim appearing in the international application (It being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.